

**Thematic plan of independent work
in the discipline "Gnathology"
for students in year of admission 2020 according to the educational program
specialty in the specialty 31.05.03 Dentistry,
orientation (profile) Dentistry, full-time education
2024-2025 academic year**

	Topic of independent work	Hours (academic)
	9 semester	
1.	Modern methods of functional analysis of the maxillofacial system¹	22
	<ul style="list-style-type: none"> Articulators. Types and techniques of working with them.¹ Articulators: purpose, classification, construction. Facial arch: purpose, design. Technique of using the facial arch. Plastering models in the articulator, setting it up for an individual function.² 	
	<ul style="list-style-type: none"> Using the principles of neuromuscular dentistry in gnathology.¹ Creating conditions for relaxing the muscles of the face and neck and shoulder region, normalizing the function of the TMJ. Methods of bioinstrumental analysis of diagnostics: computerized scanning of lower jaw movements, electromyography, electrosonography, ultra-low-frequency electromyostimulation.² 	
	Independent work control	2
	10 semester	
2.	Restoration of occlusion based on gnathological principles.¹	28
	<ul style="list-style-type: none"> "Compass of occlusion". Features of wax modeling of orthopedic restorations. Describes the dynamic ways of moving the supporting tubercles of the teeth in the corresponding fissures and pits of the teeth of the antagonists when teeth are displaced from the central occlusion to the lateral or anterior one, it is used to reproduce various movements of the tubercles along the fissures and pits of the teeth of the antagonists.² 	
	<ul style="list-style-type: none"> Occlusion and clinical indicators of the position of the lower jaw in different spatial positions. "Compass of occlusion".¹ Features of wax modeling of orthopedic restorations. Types of occlusion, basic criteria for correct occlusion, the principle of determining occlusion.² 	
	<ul style="list-style-type: none"> Principles of the design of prostheses on implants, depending on the type of orthopedic restorations and the type of fixation. Features of wax modeling of orthopedic restorations on implants. The use of CAD CAM technologies in the planning and manufacture of orthopedic restorations on implants.² 	
4.	Independent work control	2
	TOTAL	54

¹ -Subject

² - essential content (if necessary)

Considered at the meeting of the Department for Prosthetic dentistry with course of clinical dentistry "05" June 2024, protocol No 12.

Head of the Department



V.I. Shemonaev